

CXUS55 KVEF 041824
CLALAS

CLIMATE REPORT
NATIONAL WEATHER SERVICE LAS VEGAS, NV
1024 AM PST WED JAN 4 2012

.....

...THE LAS VEGAS NV CLIMATE SUMMARY FOR THE YEAR OF 2011...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1937 TO 2012

WEATHER	OBSERVED VALUE	DATE (S)	NORMAL VALUE	DEPART FROM NORMAL	LAST YEAR`S VALUE	DATE (S)
---------	-------------------	----------	-----------------	--------------------------	----------------------	----------

.....
TEMPERATURE (F)

RECORD

HIGH	117	07/19/2005				
		07/24/1942				
LOW	8	01/13/1963				
		01/25/1937				
HIGHEST	112	08/24	113	-1	113	07/18
						07/15
LOWEST	26	02/03	28	-2	30	12/31
		02/02				11/26
AVG. MAXIMUM	79.7		80.1	-0.4	79.6	
AVG. MINIMUM	58.0		58.7	-0.7	59.4	
MEAN	68.8		69.4	-0.6	69.5	
DAYS MAX >= 90	130		131.3	-1.3	126	
DAYS MAX <= 32	0		0.0	0.0	0	
DAYS MIN <= 32	11		7.5	3.5	4	
DAYS MIN <= 0	0		0.0	0.0	0	

PRECIPITATION (INCHES)

RECORD

MAXIMUM	10.72	1941				
MINIMUM	0.56	1953				
TOTALS	2.34		4.19	-1.85	5.90	
DAILY AVG.	0.01		0.01	0.00	T	
DAYS >= .01	24		26.5	-2.5	31	
DAYS >= .10	5		11.2	-6.2	16	
DAYS >= .50	1		2.5	-1.5	2	
DAYS >= 1.00	0		0.2	-0.2	1	

GREATEST

24 HR. TOTAL	0.74	07/03
--------------	------	-------

GREATEST

STORM TOTAL	0.74	07/03
-------------	------	-------

SNOWFALL (INCHES)

RECORDS

TOTAL	16.7	1949				
24 HR TOTAL	9.0	01/04/1974	TO	01/05/1974		
SNOW DEPTH	8	01/05/1974				
TOTALS	T		0.3	-0.3	0.0	

SINCE 7/1	0.0	0.2	-0.2	0.0
LIQUID 7/1	0.00	0.00	0.00	0.00
SNOWDEPTH AVG.	0			0
DAYS >= TRACE	2	0.2	1.8	0
DAYS >= 1.0	0	0.1	-0.1	0
GREATEST				
SNOW DEPTH	0			0
24 HR TOTAL	T	01/02 TO 01/03		

STORM TOTAL T 01/02 TO 01/03
(MM/DD (HH))

DEGREE_DAYS				
HEATING TOTAL	2040	1951	89	1895
SINCE 7/1	909	847	62	725
COOLING TOTAL	3540	3568	-28	3648
SINCE 1/1	3540	3568	-28	3648

FREEZE DATES

RECORD

EARLIEST	10/21/1949	
LATEST	04/12/1967	
EARLIEST		12/03
LATEST		02/05

.....

WIND (MPH)

AVERAGE WIND SPEED	9.1		
RESULTANT WIND SPEED/DIRECTION	7/200		
HIGHEST WIND SPEED/DIRECTION	45/340	DATE	03/07
HIGHEST GUST SPEED/DIRECTION	59/220	DATE	04/07

SKY COVER

POSSIBLE SUNSHINE (PERCENT)	MM
AVERAGE SKY COVER	0.30
NUMBER OF DAYS FAIR	215
NUMBER OF DAYS PC	129
NUMBER OF DAYS CLOUDY	21

AVERAGE RH (PERCENT) 28

WEATHER CONDITIONS. NUMBER OF DAYS WITH

THUNDERSTORM	19	MIXED PRECIP	1
HEAVY RAIN	2	RAIN	4
LIGHT RAIN	49	FREEZING RAIN	0
LT FREEZING RAIN	0	HAIL	0
HEAVY SNOW	0	SNOW	0
LIGHT SNOW	2	SLEET	0
FOG	4	FOG W/VIS <= 1/4 MILE	0
HAZE	8		

- INDICATES NEGATIVE NUMBERS.

R INDICATES RECORD WAS SET OR TIED.

MM INDICATES DATA IS MISSING.

T INDICATES TRACE AMOUNT.

&&

ALL STATISTICS LISTED BELOW ARE FOR THE OFFICIAL CLIMATE STATION FOR LAS VEGAS LOCATED AT MCCARRAN INTERNATIONAL AIRPORT UNLESS OTHERWISE NOTED.

...2011 WAS A DRY AND NOT AS WARM YEAR FOR LAS VEGAS...

IN A STARK CONTRAST TO RECENT YEARS 2011 FAILED TO MAKE THE TOP 10 WARMEST YEARS ON RECORD IN LAS VEGAS. HOWEVER...IT DID NOT FALL TOO FAR BEHIND AS IT RANKED THE 16TH WARMEST YEAR WITH AN AVERAGE TEMPERATURE OF 68.8 DEGREES. BASED ON THE NEW 1981-2010 CLIMATOLOGICAL NORMALS THIS WAS 0.6 DEGREES BELOW NORMAL. THE AVERAGE MAXIMUM TEMPERATURE WAS 79.7 DEGREES WHICH TIED WITH 1960 AND 1992 FOR THE 26TH WARMEST ON RECORD. THE AVERAGE LOW WAS 58.0 DEGREES WHICH RANKS AS THE 11TH WARMEST ON RECORD.

THE HIGHEST TEMPERATURE RECORDED WAS 112 DEGREES ON AUGUST 24TH. THIS WAS THE FIRST YEAR IN LAS VEGAS SINCE 2004 THAT THE HIGHEST TEMPERATURE OF THE YEAR WAS RECORDED IN AUGUST AND NOT IN JULY. THERE WERE 78 DAYS WITH A HIGH IN THE TRIPLE DIGITS IN 2011 AND 36 DAYS WITH A HIGH OF 105 DEGREES OR BETTER. 5 DAYS DURING 2011 REACHED OR EXCEEDED 110 DEGREES. OUTSIDE OF THE 112 AT MCCARRAN...READINGS OF 112 AT THE HENDERSON EXECUTIVE AIRPORT ON JULY 2ND AND AT THE NATIONAL WEATHER SERVICE OFFICE ON AUGUST 24TH TIED FOR THE HIGHEST TEMPERATURE OF THE YEAR IN THE LAS VEGAS VALLEY AT AN OFFICIAL WEATHER STATION.

THE LOWEST MAXIMUM TEMPERATURE DURING 2011 WAS 39 DEGREES SET ON NEW YEAR'S DAY. THIS TIED WITH 1979 FOR THE COLDEST NEW YEAR'S DAY MAXIMUM TEMPERATURE ON RECORD. THERE WERE A TOTAL OF 10 DAYS IN 2011 WHERE THE MAXIMUM TEMPERATURE FAILED TO REACH AT LEAST 50 DEGREES.

THE HIGHEST MINIMUM TEMPERATURE FOR THE YEAR WAS 88 DEGREES WHICH WAS RECORDED ON JULY 29TH...JULY 30TH AND AUGUST 3RD. THERE WERE 48 DAYS WITH A LOW OF 80 DEGREES OR GREATER DURING 2011 WHICH WAS THE LOWEST SUCH TOTAL SINCE 2005 WHEN THERE WERE 46 SUCH DAYS.

THE COLDEST LOW OF THE YEAR WAS 26 DEGREES RECORDED ON BOTH FEBRUARY 2ND AND 3RD. THERE WERE 11 DAYS WITH A LOW OF 32 DEGREES OR BELOW WHICH IS 4 ABOVE NORMAL AND THE HIGHEST YEARLY TOTAL SINCE 2008. THE COLDEST LOW OF THE YEAR IN THE LAS VEGAS VALLEY UNOFFICIALLY WAS 16 DEGREES IN THE MOUNTAIN'S EDGE COMMUNITY ON FEBRUARY 2ND. AT AN OFFICIAL WEATHER STATION THE COLDEST LOW OF THE YEAR WAS 20 DEGREES AT THE HENDERSON EXECUTIVE AIRPORT THAT SAME MORNING.

TOTAL PRECIPITATION WAS 2.34 INCHES FOR 2011 WHICH TIES 1950 AS THE 15TH DRIEST YEAR ON RECORD. THE DRIEST YEAR ON RECORD WAS 0.56 INCH BACK IN 1953. THE WETTEST MONTH OF 2011 WAS JULY WITH 0.83 INCH...OF WHICH 0.74 INCH FELL ON THE 3RD ALONE...WITH 0.66 INCH IN JUST ONE HOUR. APRIL AND JUNE WERE THE ONLY PRECIPITATION-FREE MONTH OF THE YEAR. 51 DAYS SAW AT LEAST A TRACE OF PRECIPITATION WHICH IS 4 ABOVE NORMAL. HOWEVER MEASURABLE PRECIPITATION ONLY FELL ON 24 DAYS. ONLY ONE DAY - JULY 3RD - SAW PRECIPITATION EQUAL OR EXCEED A HALF AN INCH.

PRECIPITATION TOTALS ACROSS THE LAS VEGAS VALLEY GENERALLY RANGED

FROM AROUND AN INCH AND A QUARTER TO OVER FOUR AND A HALF INCHES. THE WETTEST AREAS WERE GENERALLY THOSE THAT SAW SIGNIFICANT RAINFALL DURING THE MONSOON SEASON FROM LOCALIZED THUNDERSTORMS. THIS INCLUDED AREAS IN HENDERSON AND NORTH LAS VEGAS. THE DRIEST PART OF THE VALLEY WAS THE FAR NORTHWEST WHICH SAW THE LEAST AMOUNT OF RAIN DURING THE 2011 MONSOON SEASON.

PRECIPITATION TOTALS ELSEWHERE FROM AROUND THE LAS VEGAS VALLEY INCLUDE...

ANTHEM	4.84 INCHES	COCORAHs
SNWA PLANT HENDERSON	4.61 INCHES	CCRfCD
I-15 & CRAIG	4.21 INCHES	CCRfCD
NLV - CRAIG & LOSEE	4.21 INCHES	CO-OP OBSERVER
SUMMERLIN NORTHWEST	4.09 INCHES	CCRfCD
ROBINDALE & PECOS	3.78 INCHES	COCORAHs
FLAMINGO & BOULDER HIGHWAY	3.56 INCHES	COCORAHs
CLAYTON & ANN	3.27 INCHES	CCRfCD
MOUNTAIN`S EDGE SOUTH	3.22 INCHES	NWS EMPLOYEE
LAKE LAS VEGAS	3.19 INCHES	CCRfCD
EAST LAKE MEAD PARKWAY	3.10 INCHES	COCORAHs
TROPICANA & BUFFALO	3.05 INCHES	COCORAHs
SUMMERLIN	2.96 INCHES	COCORAHs
NORTH LAS VEGAS AIRPORT	2.83 INCHES	ASOS
WEST ALIANTE	2.82 INCHES	NWS EMPLOYEE
Oakey & Jones	2.77 INCHES	COCORAHs
HENDERSON EXECUTIVE ARPT	2.72 INCHES	AWOS
HUALAPAI & PATRICK	2.59 INCHES	COCORAHs
DOWNTOWN LAS VEGAS	2.56 INCHES	CCRfCD
TENAYA & WASHINGTON	2.39 INCHES	COCORAHs
NWS OFFICE	2.22 INCHES	NWS STAFF
GREENWAY & HEATHER	2.04 INCHES	COCORAHs
NELLIS AIR FORCE BASE SOUTH	1.85 INCHES	CCRfCD
CENTENNIAL HILLS	1.66 INCHES	CCRfCD
LONE MOUNTAIN	1.46 INCHES	CCRfCD
FLOYD LAMB PARK AT TULE SPRINGS	1.22 INCHES	CCRfCD

THERE WERE SEVERAL INSTANCES OF SNOW IN LAS VEGAS DURING 2011. AT MCCARRAN THE ONLY SNOW THAT FELL WAS ON THE 2ND AND 3RD WITH NO ACCUMULATION...THUS THE TOTAL WAS A TRACE. HOWEVER SNOW ON THE 3RD TOTALED AS MUCH AS 3 INCHES IN SUMMERLIN WEST AS A HEAVY BURST OF SNOW TOOK PLACE OVER THE WEST SIDE OF THE VALLEY FOR AROUND TWO HOURS THAT MORNING. ACCUMULATING SNOW WAS REPORTED AS LOW AS AROUND 2200 FEET DURING THIS EVENT. SNOW WAS ALSO REPORTED IN LAS VEGAS LATE IN THE EVENING OF FEBRUARY 26TH INTO THE MORNING OF FEBRUARY 27TH IN PARTS OF THE VALLEY. ALTHOUGH MOST AREAS SAW NO ACCUMULATION...A HALF AN INCH WAS REPORTED IN THE ANTHEM AREA OF HENDERSON. SNOW AGAIN FELL ON THE AFTERNOON OF APRIL 9TH MAINLY ON THE WEST AND SOUTH SIDES OF THE VALLEY. THIS WAS ONLY THE 5TH WELL DOCUMENTED INSTANCE OF SNOW IN THE LAS VEGAS VALLEY IN APRIL. FINALLY SNOW WAS REPORTED ON THE MORNING OF DECEMBER 1ST IN SUMMERLIN AND THE ANTHEM AREA OF HENDERSON. IN ANTHEM A LIGHT COATING COVERED SHRUBS...CARTOPS AND OTHER COLDER SURFACES.

NOTABLE EVENTS IN 2011 IN LAS VEGAS INCLUDED THE HARD FREEZES OF JANUARY 1ST AND 2ND AND FEBRUARY 2ND AND 3RD. BOTH OF THESE EVENTS PRODUCED OVER A MILLION DOLLARS WORTH OF DAMAGE EACH MAINLY TO

RESIDENTIAL POOL PARTS. TOTAL DAMAGES FROM BOTH FREEZES WERE ESTIMATED AT 3.5 MILLION DOLLARS. THE 2011 MONSOON PRODUCED NOTEWORTHY FLASH FLOODS IN JULY AND SEPTEMBER. HOWEVER THE MAJOR CAUSE OF DAMAGE IN THE STORM OF JULY 3RD WAS FROM THUNDERSTORM WINDS WHICH PRODUCED AT LEAST A MILLION DOLLARS WORTH. THIS BROUGHT THE TOTAL NUMBER OF WEATHER-RELATED DAMAGE EVENTS IN LAS VEGAS PRODUCING AT LEAST A MILLION DOLLARS IN DAMAGE TO 3 FOR THE YEAR WHICH TIES THE RECORD FROM 1998.

THERE WERE 5 HEAT-RELATED DEATHS IN THE LAS VEGAS VALLEY IN 2011 WHICH IS THE LOWEST YEARLY TOTAL SINCE 1997 WHEN ONLY ONE PERSON DIED. THERE WAS ONE INJURY DUE TO FLASH FLOODING AND NINE PEOPLE INJURED DUE TO CONVECTIVE WINDS FROM EITHER A THUNDERSTORM OR DRY MICROBURST.

THE HIGHEST WIND GUST FOR THE YEAR WAS 59 MPH FROM THE SOUTHWEST ON APRIL 7TH AHEAD OF A STRONG COLD FRONT. A 64 MPH GUST WAS RECORDED ON JULY 10TH AT THE NORTH LAS VEGAS AIRPORT FROM A THUNDERSTORM DOWNBURST.

BAROMETRIC PRESSURE EXTREMES - REDUCED TO SEA LEVEL

LOWEST...29.31 INCHES ON MAY 29TH
HIGHEST...30.54 INCHES ON DECEMBER 23RD

\$\$

STACHELSKI